

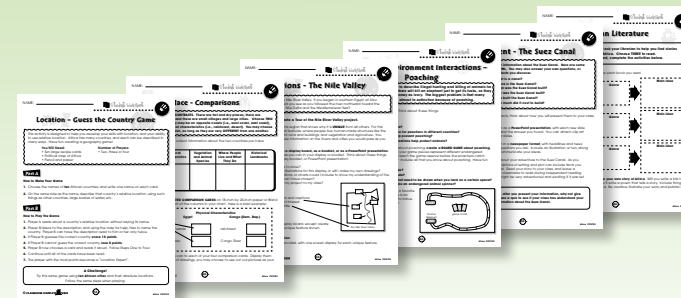
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Human/Environment Interactions

1. Complete each sentence with a word from the list. Use a dictionary to help you.

environment monument interaction game reserve

- A _____ is a protected area where animals can live free from the threat of hunters and poachers.
- A _____ is something created by people to mark a special event, the special deeds of a group or an individual, or to mark a place where someone is buried.
- The word _____ describes all that surrounds us: the living things around us, the climate, the air we breathe, the water we drink, and the land we live on.
- The way one thing acts on another is called an _____.

2. Read each of the examples below and write as much information as you **already** know about the subject. You may write in complete sentences or in point form notes.

WATER

(Why do we need it?
Why is it important?
What is water pollution?)

ENDANGERED SPECIES

(What does endangered mean?
Will they become extinct?
How can we help?)



Human/Environment Interactions

Every day, the things that people do affect their **environment**. While we work to protect **endangered** species, some people continue to kill them. Sometimes we harm the habitats of animals with pollution. When an environment is harsh or changing, people must often adapt to their environment to survive. Sometimes we might **dam** a river in order to provide more water for communities that need it. Learning about these issues is known as the study of human/environment **interactions**.



In Egypt, people have relied on the Nile River for thousands of years to provide them with the water they need to survive in the harsh desert conditions around them. The river water is used for drinking, washing, and watering crops. In the past, the Nile would flood its banks and **irrigate** the crops. In modern times a dam has been used to control the amount of water flowing through the country, providing water as it is needed. The first dam was built at Aswan in 1902, but was later replaced in the early 1970's by the Aswan High Dam. This dam blocked the flow of the river and created Lake Nasser behind it. Care was taken to preserve wildlife and ancient **monuments**. The ancient Egyptian Temple of Abu Simbel was taken apart and reassembled in a location away from the lake, preserving it as a **national monument**.

Why was a dam built at Aswan?



Unfortunately, not all interactions between humans and their environment are positive. Throughout Africa, many animals are facing extinction because of **poaching**. For example, elephants are hunted for their tusks, and rhinoceroses are killed for their horns. Poachers sell the tusks as ivory, and the horns as medicine. Thankfully, many governments in Africa have acted to stop this poaching. They have made it against the law to hunt these animals, and have created **game reserves**, like the Masai Mara National Park in Kenya, to protect the endangered animals.



Human/Environment Interactions

1. Which word matches the definition? Color the arrow that points to the correct word. You may use either the reading or a dictionary to help find your answers.

dam	←	A To water fields of crops.	→	irrigate
monument	←	B The vegetables, grains, and fruit grown on a farm.	→	crops
farming	←	C An illegal act of hunting, usually for money. It has caused some animals to become endangered, and in some cases, extinct.	→	poaching
game reserve	←	D A protected area of land where wild animals can live without the threat of poachers.	→	environment

2. Circle **T** if the statement is true or **F** if it is false.

T = True
F = False

- T F Rhinoceroses are hunted for their tusks.
- T F Hunting is allowed on game reserves.
- T F Masai Mara National Park is in Kenya.
- T F Poaching is an act of legal hunting.
- T F The Nile floods its banks and irrigates crops.



Human/Environment Interactions

Answer each question with a complete sentence.

- Some human/environment interactions are negative. Why is poaching a negative interaction?

- Some human/environment interactions are positive. Why is a game reserve a positive interaction?

Research, Extensions and Applications

- Find out more about the **Aswan High Dam** by conducting some simple research. Find answers to these questions and present them in a **poster** format. Illustrate your work and present it to your class.
Why was the Aswan High Dam built? • How have countries used it to their benefit? When was it built? • How much did it cost to build? • Which countries took part? Which ancient Egyptian monuments had to be moved? How were the ancient Egyptian monuments moved? How has Lake Nasser changed the area around it?
- Locate a **game reserve** in Africa and create a **travel brochure** for it. Pretend that you are going to take your class on a safari to the reserve. What would you see? What kinds of animals are there? How would you travel there, inside the game reserve? What would you need to bring with you? Illustrate your brochure, and include as many facts as you can. You may wish to include a map of its location to help your class find it!
- Many animals of Africa are endangered. Research two of them and complete the **Endangered Animal Organizer** on the next page. Follow the prompts inside the rectangles. When you have finished the rectangles, **evaluate just how close these two animals are to extinction**. The oval on the organizer represents extinction. On the bold arrows, place an **X** to show just how desperate the animal's future is. If the animal is very close to extinction, place the **X** close to the oval. If it is still not that close, then place the **X** farther away on the arrow from the oval.



Crossword Puzzle!

- plains
- desert
- game reserve
- absolute
- continent
- negative
- transportation
- endangered
- Asia
- rural
- region
- communication
- contrasts
- Nile Valley
- links



Across

- 1 Sharing of ideas through speech, sign language and printed words
- 4 Poaching is an example of _____ human/environment interactions
- 6 Many of Africa's animals are _____ species
- 8 A remote area with few people
- 9 The Sahara is a _____ in Africa
- 11 A _____ can be described by the languages spoken there
- 13 Africa is a continent of huge _____
- 14 Flat, open areas of land covered mostly by grasses

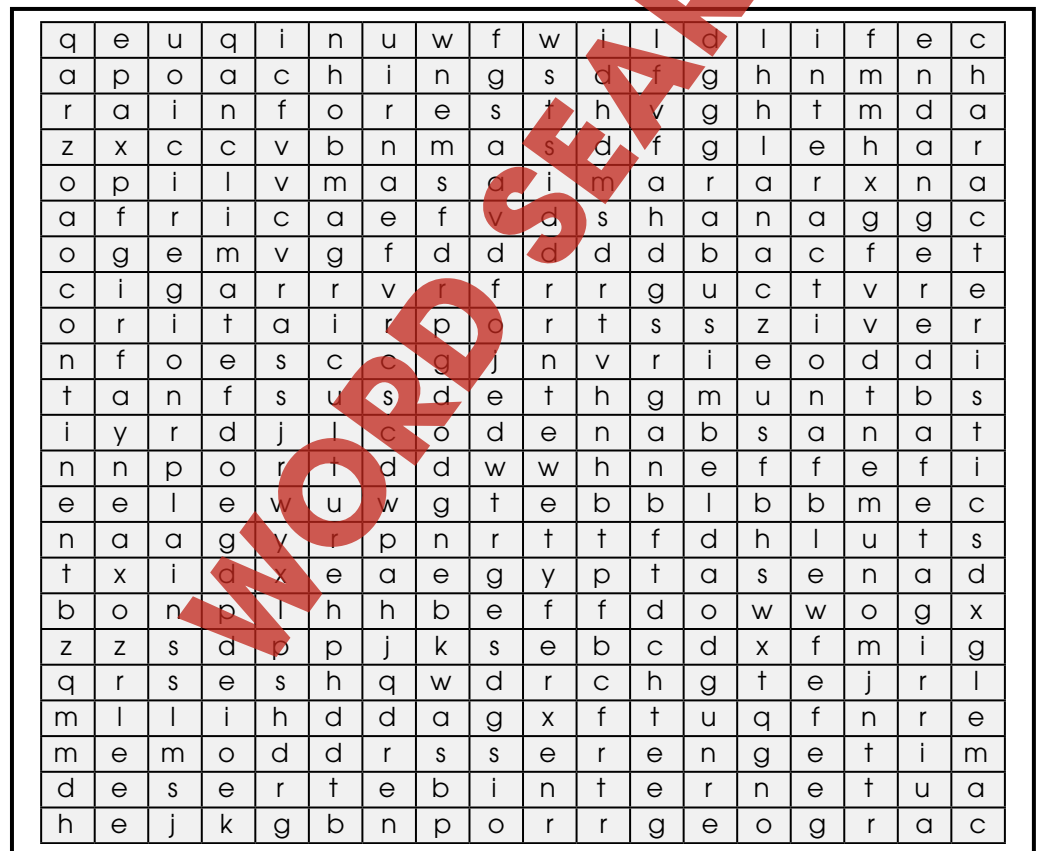
Down

- 1 Africa is the world's second largest _____
- 2 Movement involving vehicles
- 3 The _____ is a region known for its ancient Egyptian ruins
- 5 Protected area where animals can live free of threats from humans
- 7 It is difficult to describe Africa's _____ location
- 10 Africa's coastal ports provide _____ to other continents
- 12 Africa is linked to _____ at the Panama Canal

Word Search

Find all of the words in the Word Search. Words may be horizontal, vertical, or diagonal. A few may even be backwards! Look carefully!

- hemisphere
- Africa
- wildlife
- region
- Serengeti
- monument
- Abu Simbel
- camel
- continent
- rainforest
- plains
- agriculture
- unique
- Masai Mara
- interaction
- poaching
- Suez Canal
- airports
- climate
- desert
- characteristics
- trade
- Egypt
- endangered
- irrigate
- elephant
- Internet
- oxen



Comprehension Quiz

Part A

Circle **T** if the statement is true or **F** if it is false.

T = True
F = False

- T F** a) Both the prime meridian and the equator pass through Africa.
- T F** b) Africa is like a giant island because it is surrounded by water.
- T F** c) People in Africa live in either traditional or more modern ways.
- T F** d) The Suez Canal provides a shortcut from the Indian Ocean to the Mediterranean Sea.
- T F** e) Game reserves provide protection for animals from poaching. The Aswan High Dam was built to help control the waters of the Nile River.
- T F** f) Latitude and longitude are used to find a place's relative location.
- T F** g) The word urban describes an area in the country or a remote area.

Part B

Label the map by doing the following:

- Show the following features on the map by writing the letter on the map in the correct location.
 - a) Atlantic
 - b) Europe
 - c) Indian Ocean
 - d) Atlantic Ocean
 - e) Mediterranean Sea
- Color the prime meridian **red** and the equator **purple**.



SUBTOTAL: /14

Africa Physical Map





Human/Environment Interactions

Answer each question with a complete sentence.

- 3. Some human/environment interactions are negative. Why is poaching a negative interaction?

- 4. Some human/environment interactions are positive. Why is a game reserve a positive interaction?

Research, Extensions and Applications

- 5. Find out more about the **Aswan High Dam** by conducting some simple research. Find answers to these questions and present them in a **poster** format. Illustrate your work and present it to your class.

Why was the Aswan High Dam built? • How have countries used it to their benefit?

When was it built? • How much did it cost to build? • Which countries took part?

Which ancient Egyptian monuments had to be moved?

How were the ancient Egyptian monuments moved?

How has Lake Nasser changed the area around it?

- 6. Locate a **game reserve** in Africa and create a **travel brochure** for it. Pretend that you are going to take your class on a safari to the reserve. What would you see? What kinds of animals are there? How would you travel there, inside the game reserve? What would you need to bring with you? Illustrate your brochure, and include as many facts as you can. You may wish to include a map of its location to help your class find it!
- 7. Many animals of Africa are endangered. Research two of them and complete the **Endangered Animal Organizer** on the next page. Follow the prompts inside the rectangles. When you have finished the rectangles, **evaluate just how close these two animals are to extinction**. The oval on the organizer represents extinction. On the bold arrows, place an **X** to show just how desperate the animal's future is. If the animal is very close to extinction, place the **X** close to the oval. If it is still not that close, then place the **X** farther away on the arrow from the oval.

3.

Possible answer:
Illegal hunting for money that reduces the number of animals in a species, often to the point of extinction

4.

Possible answers:
Protects animals from poachers, extinction

5.

Answers will vary in detail depending on resource used.
Some possibilities:
In late 1960s to control the flooding of the Nile, also generates electricity, has created more agricultural land; Abu Simbel was moved, cut apart, and reassembled, etc.

6.

Answers will vary (many game reserves are found in eastern Africa)

7.

Answers will vary

10

Across:

- 1. communication
- 4. negative
- 6. endangered
- 8. rural
- 9. desert
- 11. region
- 13. contrasts
- 14. plains

Down:

- 1. continent
- 2. transportation
- 3. Nile Valley
- 5. game reserve
- 7. absolute
- 10. links
- 12. Asia

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EASY MARKING ANSWER KEY